

REMARKS

Applicants respectfully request reconsideration of the present U.S. patent application. Claims 1-4, 6, 8-17 and 19 stand rejected under 35 U.S.C. § 103. Claims 5, 7 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claim 20 has been allowed. Claims 1, 6, 7 and 12 have been amended. Claims 5, 11, 15 and 18 have been canceled. No claims have been added. Therefore, claims 1-4, 6-10, 12-14, 16, 17, 19 and 20 are pending.

Objections

The Specification has been objected to because "a single substrate" on page 3, line 21 was marked as reference numeral 33. Applicants have amended page 3, line 21 to mark the substrate as reference numeral 34. Therefore, Applicants submit that the objection to the Specification has been overcome.

Claim 6 has been objected to because of the word "muli," which should have been the word "multi." Applicants have made the appropriate correction to claim 6. Therefore, Applicants submit that the objection to claim 6 has been overcome.

Claim Rejections - 35 U.S.C. § 103Rejections of Claims 1-4, 6, 8-17 and 19

Claims 1-4, 10, 12, 13, 15, 17 and 19 were rejected under 35 U.S.C. § 103 as being unpatentable over U.S. Patent No. 5,001,522 issued to Takahashi et al. (*Takahashi*). Claim 6 was rejected under 35 U.S.C. § 103 as being unpatentable over

Takahashi in view of U.S. Patent Application No. 2004/0096175 issued to Tolstikhin. Claim 8 was rejected under 35 U.S.C. § 103 as being unpatentable over *Takahashi* in view of U.S. Patent No. 6,158,901 issued to Kovacic (*Kovacic*). Claims 9, 11, 14 and 16 were rejected under 35 U.S.C. § 103 as being unpatentable over *Takahashi* in view of *Kovacic* and U.S. Patent No. 5,309,003 issued to Luryi et al.

Claims 11 and 15 have been canceled. Therefore, the rejections of claims 11 and 15 are moot. For at least the reasons set forth below, Applicants submits that claims 1-4, 6, 8-10, 12-14, 16, 17 and 19 are not rendered obvious by the respective references indicated above.

Applicants agree with the Examiner that none of the references indicated above teach the limitations of claims 5 and 18. See Office Action, page 6, lines 14-16. Therefore, claims 5 and 18 are not rendered obvious by those references. Claims 5 and 18 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. See Office Action, page 6, lines 12-14.

Applicants have amended claims 1 and 12 to include the limitations of claims 5 and 18, plus the limitations of any intervening claims. Consequently, claims 1 and 12 are not rendered obvious by the respective references indicated above, and are in condition for allowance. Applicants therefore respectfully request that the Examiner withdraw the rejections of claims 1 and 12 under 35 U.S.C. § 103.

Claims 2-4, 6 and 8-10 depend from claim 1. Claims 13, 14, 16, 17 and 19 depend from claim 12. Because dependent claims include the limitations of the claims from which they depend, Applicants submit that claims 2-4, 6, 8-10, 13, 14, 16, 17 and

19 are not rendered obvious by the respective references indicated above for at least the reasons that apply to claims 1 and 12. Applicants therefore respectfully request that the Examiner withdraw the rejections of claims 2-4, 6, 8-10, 13, 14, 16, 17 and 19 under 35 U.S.C. § 103.

Allowable Subject Matter

Claim 20 is allowed.

As indicated above, claims 5, 7 and 18 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants have amended independent claim 1 to include the limitations of dependent claim 5, which has been canceled. In addition, Applicants have amended independent claim 12 to include the limitations of dependent claim 18 and intervening dependent claim 15, which have been canceled. Consequently, claims 1 and 12 are in condition for allowance.

Claim 7 has been amended to depend from amended claim 1. Therefore, although Applicants have not amended claim 7 to include the limitations of its base claims and any intervening claims, claim 7 is also in condition for allowance.

CONCLUSION

For at least the foregoing reasons, Applicants submit that the rejections have been overcome. Therefore, claims 1-4, 6-10, 12-14, 16, 17, 19 and 20 are in condition for allowance and such action is respectfully solicited. The Examiner is respectfully

requested to contact the undersigned by telephone if such contact would further the examination of the present application.

Respectfully submitted,

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